Individual Performance Test #1

Documentation

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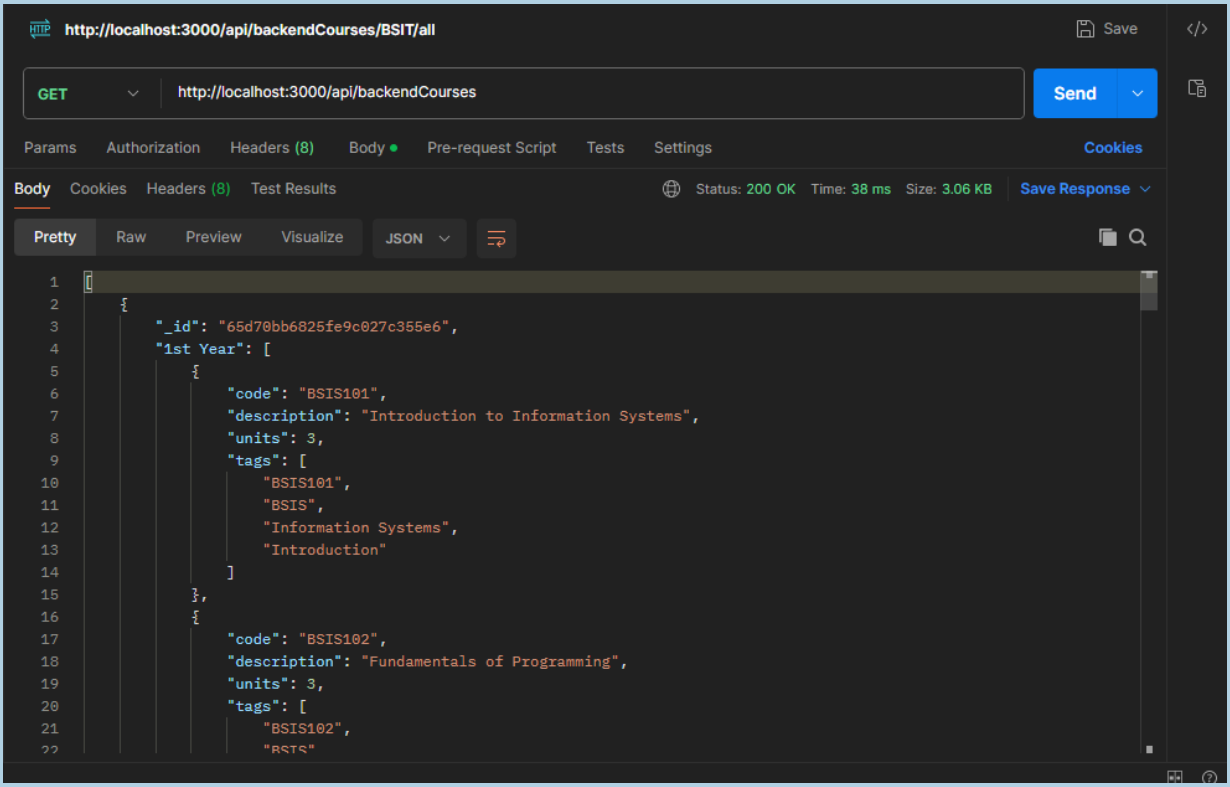
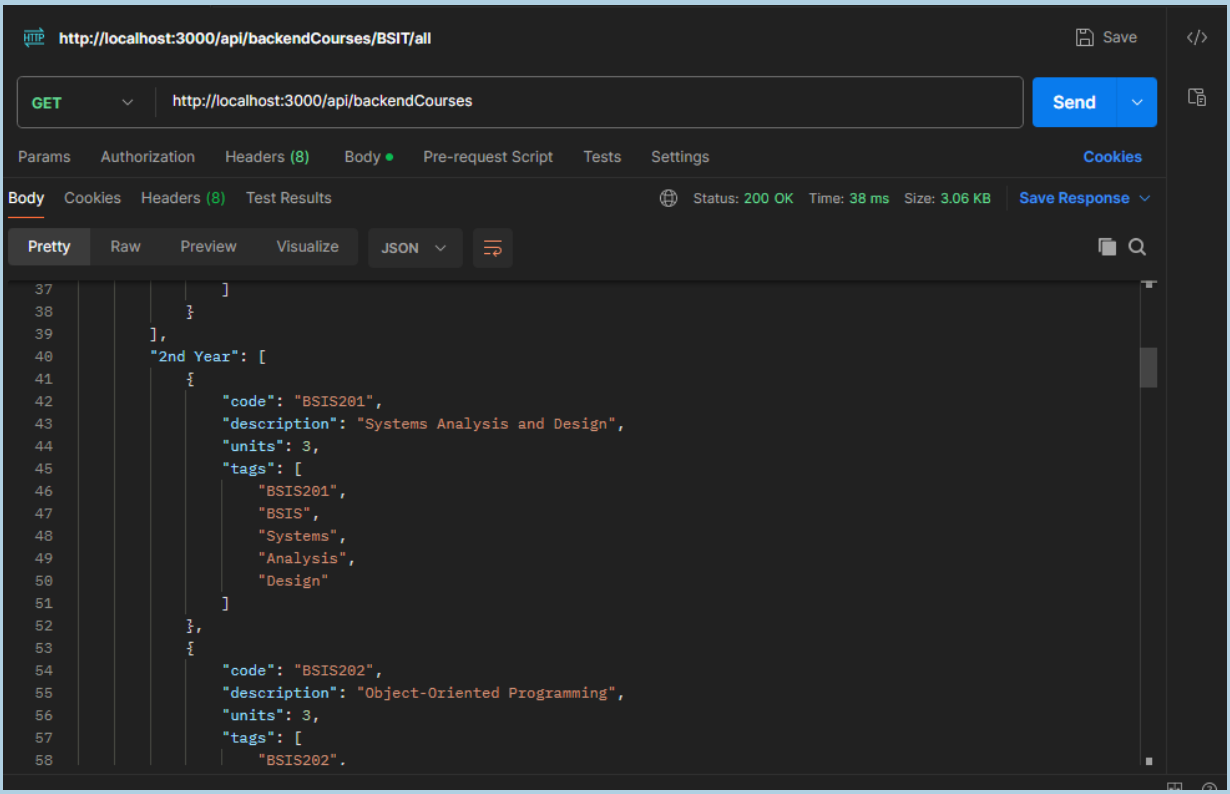
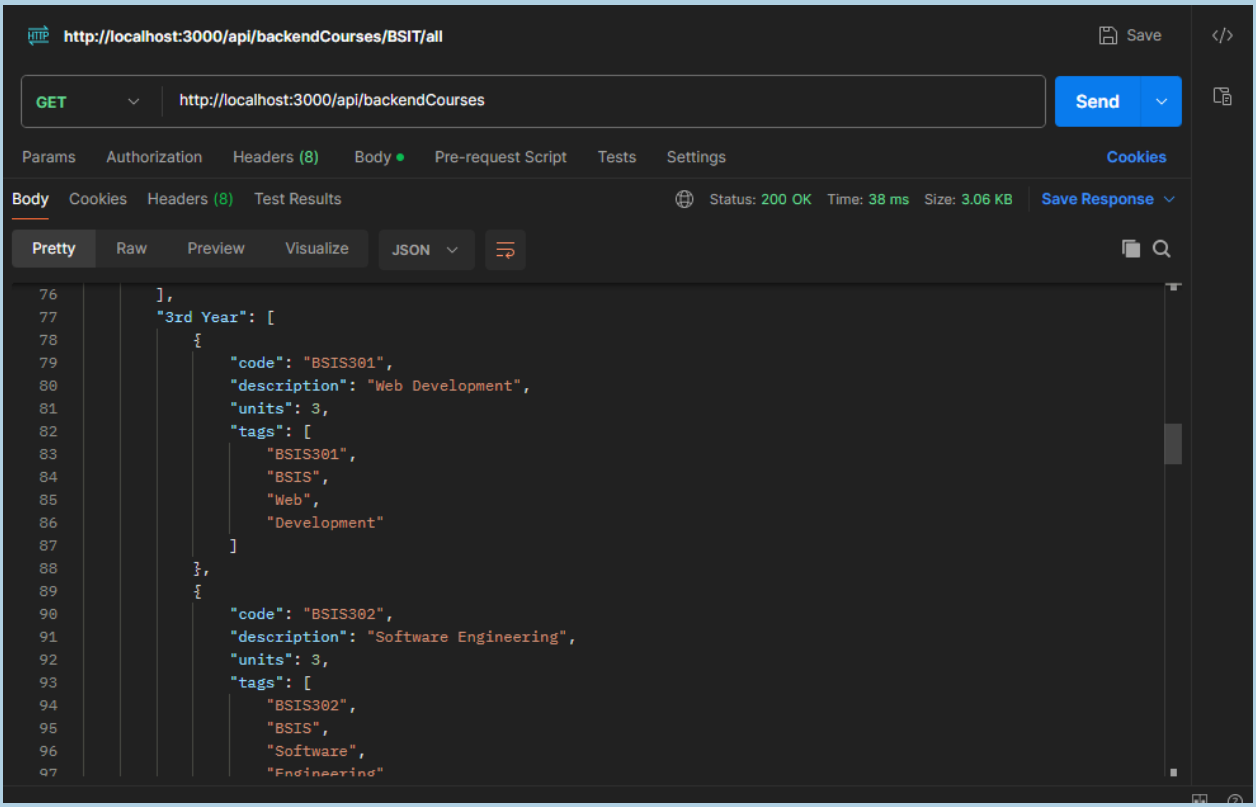
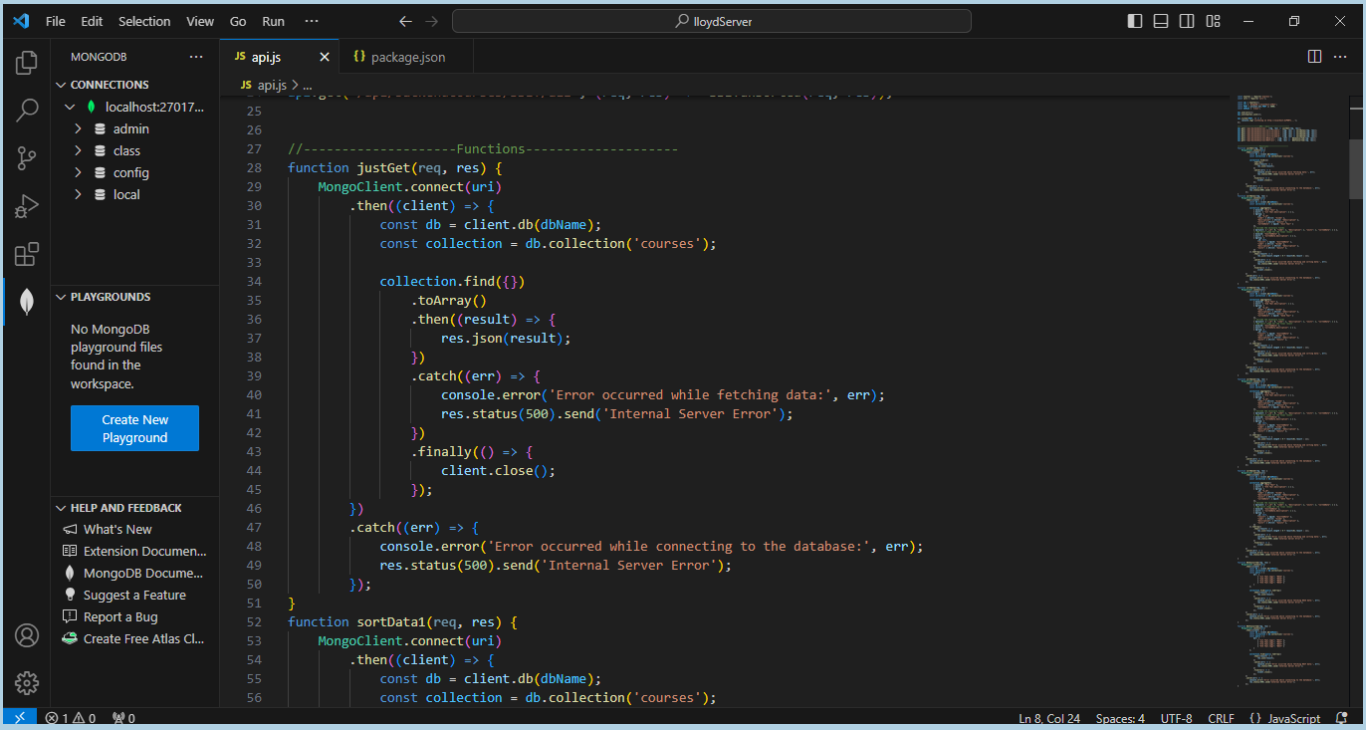
The Hardest thing about this is not the code or the logic but the MongoDB, at first I can't connect it and can't get result from it I started to try it on Feb 20, 2024 but can't make it work. But still to make it and make it run the way I intended.

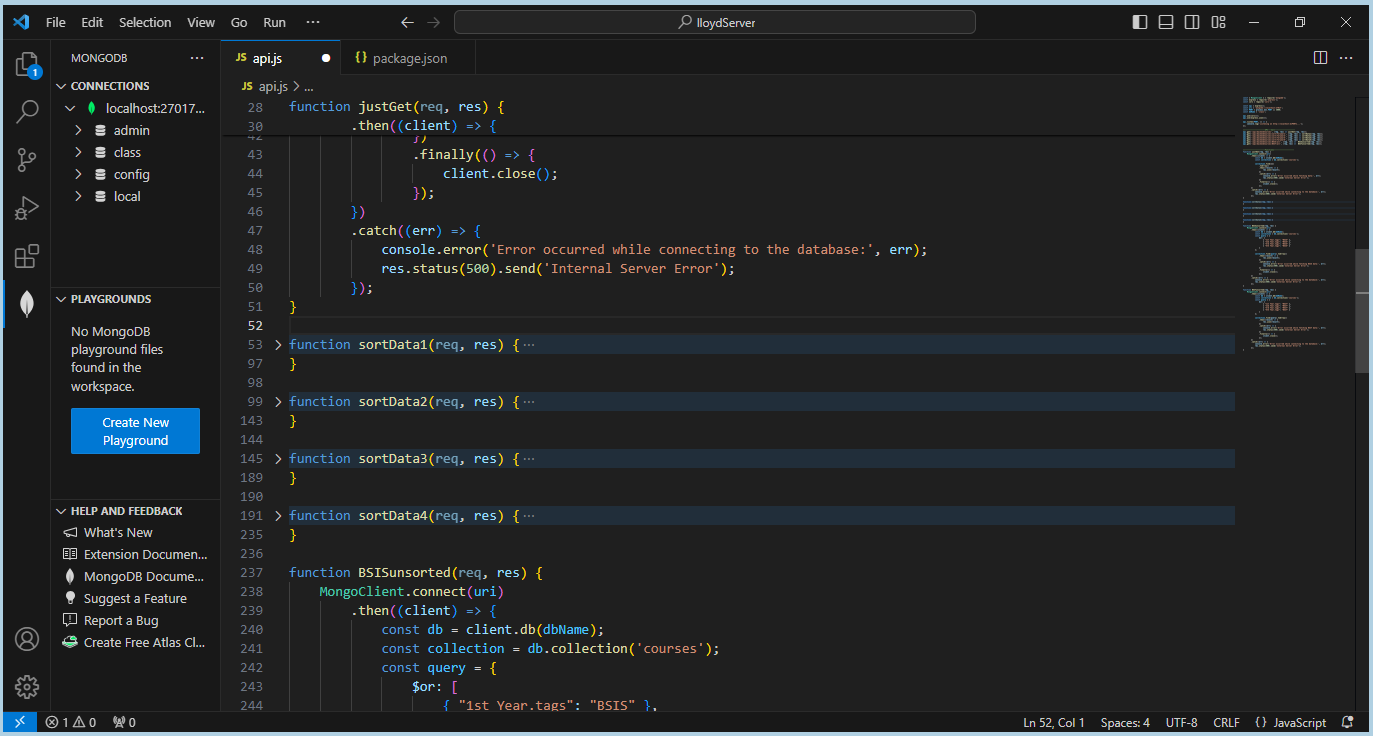
Here It Retrieve all published backend courses from MongoDB



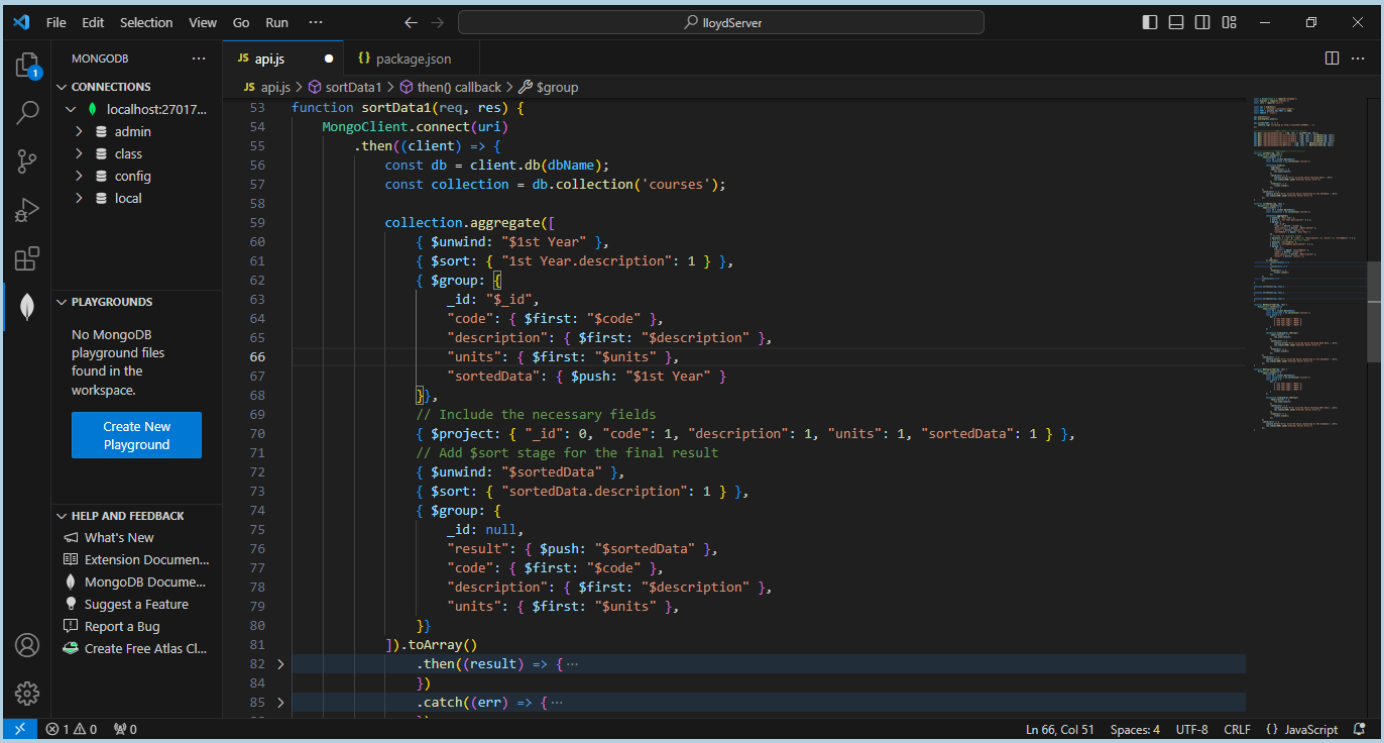


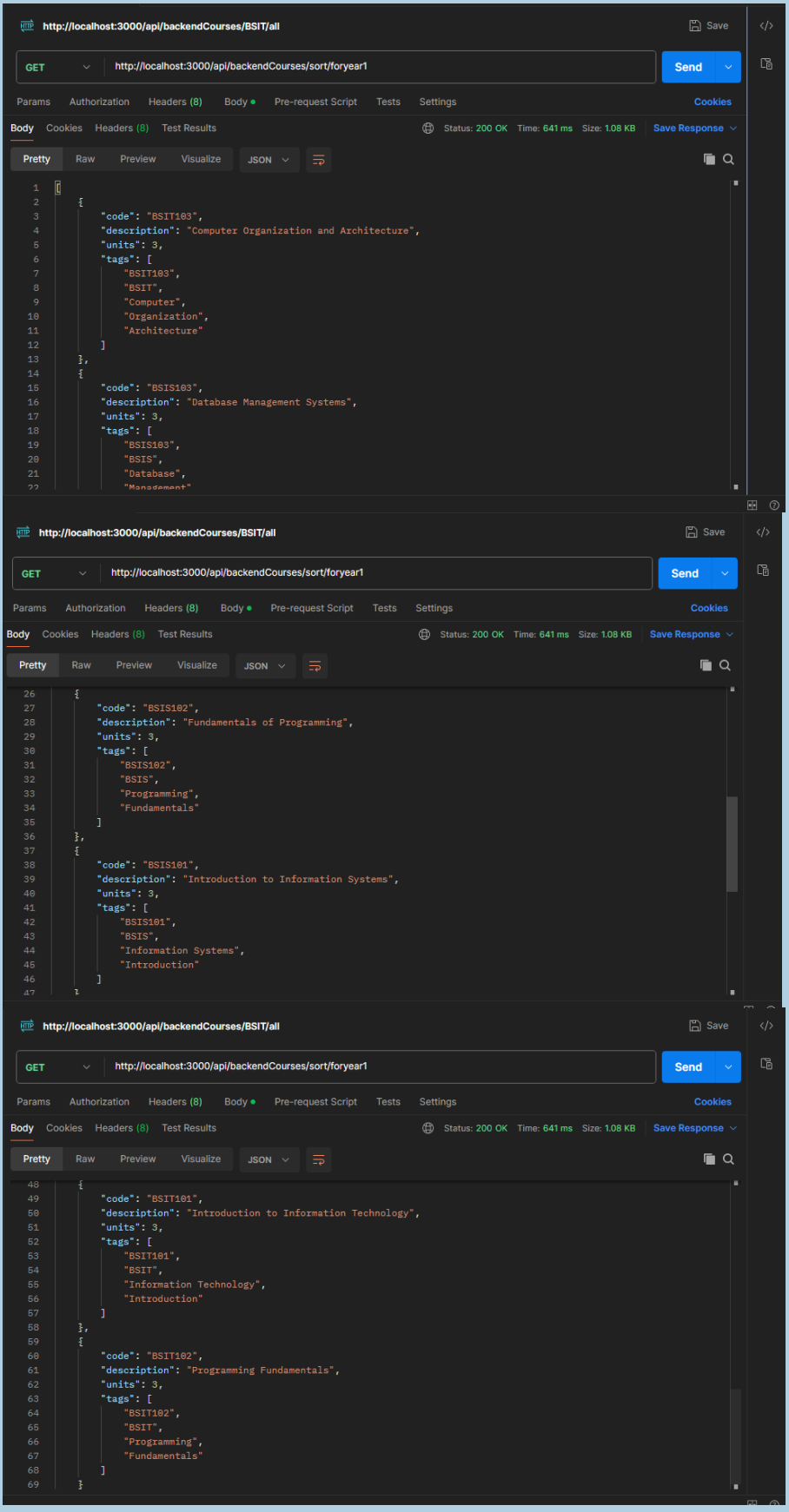

http://localhost:3000/api/backendCourses/BSIT/all
Save
GET
http://localhost:3000/api/backendCourses
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Body
Cookies
Headers (8)
Test Results
Status: 200 OK
Time: 38 ms
Size: 3.06 KB
Save Response
Pretty
Raw
Preview
Visualize
JSON
],
"3rd Year": [
{
"code": "BSIS301",
"description": "Web Development",
"units": 3,
"tags": [
"BSIS301",
"BSIS",
"Web",
"Development"
]
},
{
"code": "BSIS302",
"description": "Software Engineering",
"units": 3,
"tags": [
"BSIS302",
"BSIS",
"Software",


File
Edit
Selection
View
Go
Run
lloydServer
MONGODB
CONNECTIONS
localhost:27017...
admin
class
config
local
PLAYGROUNDS
No MongoDB playground files found in the workspace.
Create New Playground
HELP AND FEEDBACK
What's New
Extension Documen...
MongoDB Docume...
Suggest a Feature
Report a Bug
Create Free Atlas Cl...
api.js
package.json
//--------------------Functions--------------------
function justGet(req, res) {
MongoClient.connect(uri)
.then((client) => {
const db = client.db(dbName);
const collection = db.collection('courses');
collection.find({})
.toArray()
.then((result) => {
res.json(result);
})
.catch((err) => {
console.error('Error occurred while fetching data:', err);
res.status(500).send('Internal Server Error');
})
.finally(() => {
client.close();
});
})
.catch((err) => {
console.error('Error occurred while connecting to the database:', err);
res.status(500).send('Internal Server Error');
});
}
function sortData1(req, res) {
MongoClient.connect(uri)
.then((client) => {
const db = client.db(dbName);
const collection = db.collection('courses');
Ln 8, Col 24
Spaces: 4
UTF-8
CRLF
JavaScript



Here is the sorted data by year level



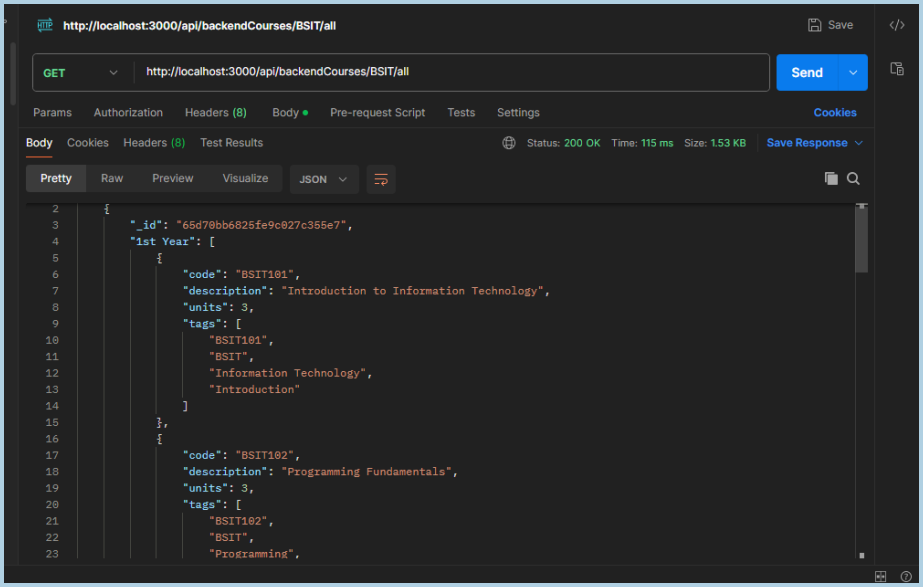


Each year level has a sorter.

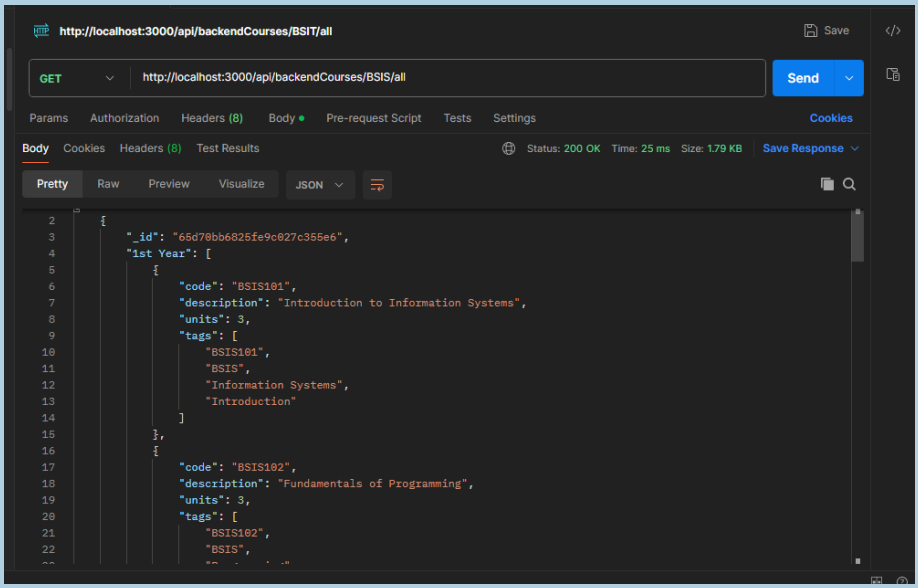
This is the Code for Retrieve all published BSIS courses from the curriculum.

```
function BSISunsorted(req, res) {
    MongoClient.connect(uri)
        .then((client) => {
            const db = client.db(dbName);
            const collection = db.collection('courses');
            const query = {
                $or: [
                    { "1st Year.tags": "BSIS" },
                    { "2nd Year.tags": "BSIS" },
                    { "3rd Year.tags": "BSIS" },
                    { "4th Year.tags": "BSIS" }
                ]
            };

            collection.find(query).toArray()
                .then((result) => {
                    res.json(result);
                })
                .catch((err) => {
                    console.error('Error occurred while fetching BSIS data:', err);
                    res.status(500).send('Internal Server Error');
                })
                .finally(() => {
                    client.close();
                });
        })
        .catch((err) => {
            console.error('Error occurred while connecting to the database:', err);
            res.status(500).send('Internal Server Error');
        });
}
```

Here are the output:



And thi is the Code for Retrieve all published BSIT courses from the curriculum.

```
function BSITunsorted(req, res) {
    MongoClient.connect(uri)
        .then((client) => {
            const db = client.db(dbName);
            const collection = db.collection('courses');
            const query = {
                $or: [
                    { "1st Year.tags": "BSIT" },
                    { "2nd Year.tags": "BSIT" },
                    { "3rd Year.tags": "BSIT" },
                    { "4th Year.tags": "BSIT" }
                ]
            };

            collection.find(query).toArray()
                .then((result) => {
                    res.json(result);
                })
                .catch((err) => {
                    console.error('Error occurred while fetching BSIT data:', err);
                    res.status(500).send('Internal Server Error');
                })
                .finally(() => {
                    client.close();
                });
        })
        .catch((err) => {
            console.error('Error occurred while connecting to the database:', err);
            res.status(500).send('Internal Server Error');
        });
}
```

Here are the output: